

Please type a plus (+) sign inside this box -

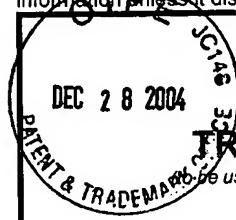
PTO/SB/21 REV 1 (12/97)

Approved for use through 09/30/2000. omb 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of

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## TRANSMITTAL FORM

*(be used for all correspondence after initial filing)*

|  |            |                        |                 |
|--|------------|------------------------|-----------------|
| Total Number of Pages in This Submission | + postcard | Attorney Docket Number | SJO919960080US3 |
|--|------------|------------------------|-----------------|

### ENCLOSURES (check all that apply)

Fee Transmittal Form  
 Fee Attached  
 Substitute Amendment/Response  
 After Final  
 Extension of Time Request  
 Express Abandonment Request  
 Information Disclosure Statement  
    PTO Form 1449  
    (no.) cited references  
 Certified Copy of Priority Document(s)  
 Response to Missing Parts/  
Incomplete Application  
    PTO Form 1533  
 Response to Missing Parts  
Under 37 CFR 1.52 or 1.53

Assignment w/Recordation Sheet  
 Drawing(s)  
 Request for Drawing Amendment  
 Licensing-related Papers  
 Petition Checklist and Accompanying Petition  
 To Convert a Provisional Application  
 Power of Attorney, Revocation  
 Change of Correspondence Address  
 Terminal Disclaimer

After Allowance Communication to Group  
 Appeal Communication to Board of Appeals and Interferences  
 Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  
 Proprietary Information  
 Status Letter  
 Additional Enclosure(s) (please identify below):

POSTCARD  
\_\_\_\_\_  
\_\_\_\_\_

### Remarks:

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual Name

Ervin F. Johnston  
Reg. No. 20,190

Signature

Date

December 22, 2004

### CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on this date:

December 22, 2004

Typed or printed name

Ervin F. Johnston

Signature

Date

December 22, 2004

Please type a plus (+) sign inside this box -  +

PTO/SB/17 REV 1 (12/97)

Approved for use through 09/30/2000. omb 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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DEC 28 2004  
PATENT TRADES

## FEET TRANSMITTAL

Patent fees are subject to annual revision on October 1.  
These are the fees effective November 10, 1998.

Small Entity payments **must** be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12  
See 37 C.F.R. §§ 1.27 and 1.28

**TOTAL AMOUNT OF PAYMENT** (\$ 264.00)

Complete If Known

Application Number 10/688,726

Filing Date 10/17/2003

First Named Inventor M. Krounbi et al

Examiner Name A. Tugbang

Group / Art Unit 3729

Attorney Docket No. SJO919960080US3

### METHOD OF PAYMENT (check one)

The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:

Deposit Account Number 50-2587  
Deposit Account Name Hitachi Global Storage Technologies

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17  
— Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance.  
37 CFR 1.311(b)

Payment Enclosed:

— Check — Money Order — Other

### FEE CALCULATION (continued)

#### 3. ADDITIONAL FEES

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description   | Fee Paid |
|----------------------------|----------------------------|---|----------|
| 105                        | 130                        | Surcharge - late filing fee or oath                         | _____    |
| 127                        | 50                         | Surcharge - late provisional filing or cover sheet          | _____    |
| 139                        | 130                        | Non-English specification                                   | _____    |
| 147                        | 2,520                      | For filing a request for reexamination                      | _____    |
| 112                        | 920*                       | Requesting publication of SIR prior to Examiner action      | _____    |
| 113                        | 1,840*                     | Requesting publication of SIR after Examiner action         | _____    |
| 115                        | 110                        | Extension for response within first month                   | _____    |
| 116                        | 410                        | Extension for response within second month                  | _____    |
| 117                        | 930                        | Extension for response within third month                   | _____    |
| 118                        | 1,450                      | Extension for response within fourth month                  | _____    |
| 128                        | 1,970                      | Extension for response within fifth month                   | _____    |
| 119                        | 320                        | Notice of Appeal  | _____    |
| 120                        | 320                        | Filing a brief in support of an appeal                      | _____    |
| 121                        | 280                        | Request for oral hearing                                    | _____    |
| 138                        | 1,510                      | Petition to institute a public use proceeding               | _____    |
| 140                        | 110                        | Petition to revive unavoidably abandoned application        | _____    |
| 141                        | 1,300                      | Petition to revive unintentionally abandoned application    | _____    |
| 142                        | 1,300                      | Utility issue fee (or reissue)                              | _____    |
| 143                        | 470                        | Design issue fee  | _____    |
| 144                        | 630                        | Plant issue fee   | _____    |
| 122                        | 130                        | Petitions to the Commissioner                               | _____    |
| 126                        | 180                        | Submission of Information Disclosure Stmt                   | _____    |
| 146                        | 750                        | Filing a submission after final rejection (37 CFR 1.129(a)) | _____    |
| 179                        | 750                        | Request for continued examination (RCE) (37 CFR 1.114)      | _____    |

Other fee (specify) Terminal Disclaimer  
Other fee (specify) \_\_\_\_\_

SUBTOTAL (3) (\$)

\*Reduced by Basic Filing Fee Paid

#### 1. BASIC FILING FEE

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description        | Fee Paid |
|----------------------------|----------------------------|------------------------|----------|
| 101                        | 750                        | Utility filing fee     | _____    |
| 106                        | 330                        | Design filing fee      | _____    |
| 107                        | 520                        | Plant filing fee       | _____    |
| 108                        | 750                        | Reissue filing fee     | _____    |
| 114                        | 160                        | Provisional filing fee | _____    |

SUBTOTAL (1) (\$)

#### 2. EXTRA CLAIM FEES

| Total Claims | Independent Claims | Extra Claims below | Fee from Claims below | Fee Paid |
|--------------|--------------------|--------------------|-----------------------|----------|
| —            | —                  | —                  | —                     | —        |
| 6            | 3                  | —                  | —                     | 264.00   |

Multiple Dependent Claims \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

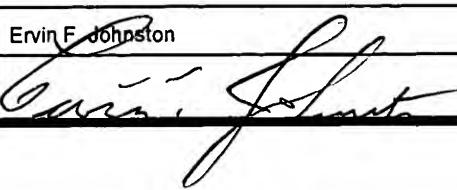
\*\* or number previously paid, if greater; For Reissues, see below

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description  |
|----------------------------|----------------------------|--|
| 103                        | 18                         | Claims in excess of 20                                     |
| 102                        | 84                         | Independent claims in excess of 3                          |
| 104                        | 280                        | Multiple dependent claim                                   |
| 109                        | 80                         | ** Reissue independent claims over original patent         |
| 110                        | 18                         | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$ 264.00)

### SUBMITTED BY

Typed or Printed Name Ervin F. Johnston

Signature 

### COMPLETE (if applicable)

Reg. Number 20,190

Date December 22, 2004



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
M. Krounbi et al ) Group Art Unit: 3729  
Serial No.: 10/688,726 ) Examiner: Anthony D. Tugbang  
Filed: 10/17/2003 ) Atty Docket : SJO919960080US3  
Title: METHOD OF MAKING A HORIZONTAL )  
THIN FILM WRITE AND READ HEAD )

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**SUBSTITUTE AMENDMENT**

This "Substitute Amendment" is in response to the Office Communication dated 12/07/2004.

This "Substitute Amendment responds to the Office Action mailed 09/24/2004.

12/30/2004 RMEBRAHT 00000026 502587 10688726  
01 FC:1201 600.00 DA